

Title (en)
ARTICULATED JIG SAW

Title (de)
GELENKIGE HUBSÄGEMASCHINE

Title (fr)
MACHINE DE SCIAGE EN VA-ET-VIENT ARTICULEE

Publication
EP 2785485 B1 20160608 (EN)

Application
EP 12816112 A 20121129

Priority
• US 201113307048 A 20111130
• IB 2012002709 W 20121129

Abstract (en)
[origin: US2013133210A1] A power tool includes a motor housing having a motor configured to rotate an output shaft about a drive axis and a gear housing defining a gear compartment. A pinion gear is supported by the gear housing that is coupled to the output shaft for rotation about the drive axis. A bevel gear is supported by the gear housing for rotation about a bevel axis perpendicular to the drive axis, the bevel gear being meshingly engaged with the pinion gear. A crank pin extends from the bevel gear at a position offset from the bevel axis. An articulating housing is pivotably supported by the gear housing for pivotal movement about the bevel axis. A plunger member is supported by the articulating housing for reciprocating movement along a reciprocating axis. The plunger member includes a yoke end portion coupled to the crank pin. The reciprocating axis and the drive axis reside in the same plane throughout pivotal movement of the articulating housing with respect to the gear housing.

IPC 8 full level
B23D 49/08 (2006.01)

CPC (source: EP US)
B23D 49/16 (2013.01 - EP US); **B23D 51/16** (2013.01 - EP US); **B27B 19/04** (2013.01 - US)

Cited by
US10603728B2; US10960475B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2013133210 A1 20130530; EP 2785485 A1 20141008; EP 2785485 B1 20160608; US 10160048 B2 20181225;
US 2017341166 A1 20171130; WO 2013088231 A1 20130620

DOCDB simple family (application)
US 201113307048 A 20111130; EP 12816112 A 20121129; IB 2012002709 W 20121129; US 201715675971 A 20170814